

MASTER CLOCK - GENERATORS

Time Code

- Generates **SMPTE / EBU** or **IRIG-B** locked to atomic clocks
- Supplied with antenna, cable and antenna mounting kit

NTP - Network Time Protocol

- Generates **NTP** referenced to GPS - Time Code or Oscillator

TIME CODE



GPS200A

NTP



NTP100

CE

CARDS FOR PCs

- Time code readers - TCR
- GPS receiver - GPSPCI
- Stabilized Oscillator - MCRPCI



TCR1000



GPSPCI



MCRPCI

TIME CODE INTERFACE- CONVERTERS

Reads **IRIG-B, SMPTE / EBU Time Codes** and provides:

- conversion to other time code
- Time code to parallel BCD
- time mark pulse
- Serial Output



TCI500



TCC500

TIME CODE OSCILLATOR

Stabilized Oscillator - Generates IRIG-B, SMPTE OR EBU Time Codes

- Backup time code source for Masterclock systems
- Synchronizes and locks to GPS
- Standard precision TCXO oscillator accurate to +/- 1 min/yr (< 165 ms/day)



TCO100

TIME CODE CHANGE-OVER SWITCHER

Automatic change-over switcher for SMPTE-EBU & IRIG Time Codes

- Automatic time code changeover unit provides automatic or manual switching between two time code sources (source A or B).
- Front panel switches allow manual selection of source A or B or automatic mode.



TCS100

TIME CODE AMPLIFIER

Amplify and isolate time code signals

- Two separate - isolated output channels available
- Transformer outputs for superior isolation
- BNC I/O connectors for ease of connection



TCA100

GPS ANTENNA

Outdoor External Antenna

- Designed for external mounting in Marine environments and is moisture proof against most normal atmospheric conditions.
- Preamplified, gain – 32db
- Connector: SMA Female



Standard

Basic

CLOCK DISPLAYS

Network Time Protocol - NTD or Time Codes - TCD

TCD100 & TCD200

- Available with red, amber, green LEDs
- 24 or 12 hour time display
- Worldwide time zone offsets
- TCD200 displays date mm:dd:yy or dd:mm:yy



TCD and NTD 24 and 26

- 2.3" (5.8 cm) LED digits
- Visible up to 100' (30 m)
- Available with red, amber, green, or blue LEDs
- Black or (off) white case
- Available with POE
- 24 or 12 hour time display
- Worldwide time zone offsets
- 6 digit model displays date



TCD and NTD 44 and 46

- 4" (10 cm), LED digits
- Visible up to 200' - 60 m
- Available with red, amber, green, or blue LEDs
- Available with POE
- 24 or 12 hour time display
- 6 digit model Displays date
- CE marked – available for sale in EU (most models)



TCD and NTD 86

- Same as 46 above except:
- Visible up to 400' - 130 m
- 6 each 8" (20 cm), LED digits
- CE marked – available for sale in EU (NTD86 only)



Analog - Time Code & NTP Clocks

- SMPTE, EBU and IRIG-B time code or NTP
- NTP available with POE option
- Worldwide time zone
- Painted or Stainless Steel case, clear polycarbonate lens
- Rapid Self-correcting stepper motor clock
- Sweep second hand operation
- Round 12- 18" (30 - 45 cm)
- 90-265 VAC 50/60 Hz
- IEC power cord
- 24 hour option available
- CE marked – available for sale in EU

